## PATENT APPLICATION

Sheet 1 of 3

AMINER DOCUMENT PUBLICATION Pages, Columns, Lines Where	1004251-3   APPLICANT   INFORMATION DISCLOSURE   STATEMENT   Timothy D. Strecker   FILING DATE   Herewith   EPROLECANT   Timothy D. Strecker   FILING DATE   Herewith   EPROLECANT   Timothy D. Strecker   FILING DATE   Herewith   Herewith   Herewith   EPROLECANT   Timothy D. Strecker   FILING DATE   Herewith   Herewith   Herewith   Herewith   MAME   Pages, Columns, Lines Where   Relevant Passages or Figures Appear   Fi								•		
AFFLICANT   SIMPORATION DISCLOSURE STATEMENT   Timothy D. Strecker   FILING DATE   GROUP   Herewith   GROUP	AFPLICANT   Timothy D. Strecker   Filter   Timothy D. Strecker   Timothy D. Strecke	FC	RM I	PTO-1449					APPLICATION NO.	CONFIRMA	TION
Timothy D. Strecker   Filmo Discussion   Filmothy D. Strecker   Fi	Timothy D. Strecker   Filino ATE   GROUP   Filino ATE	1 10	ST ()	E DATENTS AND DE	IRI ICATIONS EOD		<del></del>				
Class several sheets if necessary)	(Use several sheets if nocessary)    FILING DATE   Herewith							_			
Company   Comp	Class several sheets if necessary)			STATE	MENT		FILING DATE	ker	GROUP		
DOCUMENT   PUBLICATION   NAME   Pages, Columns, Lines Where Relevant Passages or Figures Appear	AMINER   DOCUMENT   PUBLICATION   NAME   Pages, Columns, Lines Where Relevant Passages or Figures Appear		(L	Jse several sheets it	f necessary)				4.001		
NUMBER	NUMBER	REFERE	NCE	DESIGNATION	U.S. F	PATEN	NT DOCUMENTS				
18   5593290	18   5593290	(AMINER					NAME				
1C 5819983   Oct 13, 1998   White, et al     1D 5857589   Jan 12, 1999   Cline, et al     1E 5927560   Jul 27, 1999   Lewis, et al     1F 5931355   Aug 03, 1999   Jefferson     1G 5992688   Nov 30, 1999   Lewis, et al     1H 6126039   Oct 03, 2000   Cline, et al     1I 6253972   July 2001   DeVito, et al     1J 6234358   May 2001   Romine, et al     1K 6202894   Mar 2001   Struminski, et al     TK 6202894   Mar 2001   Struminski, et al     FOREIGN PATENT DOCUMENTS     1L WO01/30488A2   10/26/2000   Strehl, Schubel-Hopf     1M WO01/30488A3   10/26/2003   Strehl, Schubel-Hopf     1M WO01/30488A3   10/26/2003   Strehl, Schubel-Hopf     1N EP-0514770A1   Nov 1992   Harada     10 EP-0313519A1   Apr 1989   Germany     1P	1C 5819983   Oct 13, 1998   White, et al     1D 5857589   Jan 12, 1999   Cline, et al     1E 5927560   Jul 27, 1999   Lewis, et al     1F 5931355   Aug 03, 1999   Jefferson     1G 5992688   Nov 30, 1999   Lewis, et al     1H 6126039   Oct 03, 2000   Cline, et al     1I 6253972   July 2001   DeVito, et al     1J 8234358   May 2001   Romine, et al     1K 6202894   Mar 2001   Struminski, et al     1K 6202894   Mar 2001   Struminski, et al     1L WOO1/3048842   10/26/2000   Strehl, Schubel-Hopf     1L WOO1/3048843   10/26/2003   Strehl, Schubel-Hopf     1N EP-0514770A1   Nov 1992   Harada     10 EP-0313519A1   Apr 1989   Germany     1P   OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)     1Q "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498     1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments"	1/1	1A	5564606	Oct 15, 1996	Er	ngel				
1D 5857589	1D   5857589		1B	5593290	Jan 14, 1997	G	reisch, et al				
1E 5927560	1E 5927560		1C	5819983	Oct 13, 1998	w	hite, et al				
1F   5931355	1F   5931355		1D	5857589	Jan 12, 1999	CI	line, et al				
1G 5992688	16   5992688		1E	5927560	Jul 27, 1999	Le	ewis, et al				
1H 6126039	1H 6126039		1F	5931355	Aug 03, 1999	Je	efferson				
11 6253972 July 2001 DeVito, et al  13 6234358 May 2001 Romine, et al  14 6202894 Mar 2001 Struminski, et al  FOREIGN PATENT DOCUMENTS  FOREIGN PATENTEE Pages/Columns/Lines Where Relevant Passages/Figures Appear  15 W001/30488A2 10/26/2000 Strehl, Schubel-Hopf  16 W001/30488A3 10/26/2003 Strehl, Schubel-Hopf  17 IN EP-0514770A1 Nov 1992 Harada  18 EP-0313519A1 Apr 1989 Germany  19 OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  19 "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  18 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	11 6253972 July 2001 DeVito, et al 1J 6234358 May 2001 Romine, et al 1K 6202894 Mar 2001 Struminski, et al  FOREIGN PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS    DOCUMENT NUMBER   PUBLICATION DATE   Pages/Columns/Lines Where Relevant Passages/Figures Appear   Transfattac		1G	5992688	Nov 30, 1999	Le	ewis, et al			· · · · · · · · · · · · · · · · · · ·	
TOREIGN PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS  FOREIGN PATENTEE  DOCUMENT NUMBER  DOCUMENT NUMBER  PUBLICATION DATE  NAME OF PATENTEE  OR APPLICANT  Relevant Passages/Figures Appear  Transit attact  1L W001/30488A2 10/26/2000 Strehl, Schubel-Hopf  1M W001/30488A3 10/26/2003 Strehl, Schubel-Hopf  1N EP-0514770A1 Nov 1992 Harada  10 EP-0313519A1 Apr 1989 Germany  1P  OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  1Q "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments"  Volume 39, Number 4; April 1968; pp 486-493	TOREIGN PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS  FOREIGN PATENTEE Pages/Columns/Lines Where Relevant Passages/Figures Appear Transf attact of the Number		1H	6126039	Oct 03, 2000	CI	line, et al				
TOREIGN PATENT DOCUMENTS  FOREIGN PATENT DOCUMENTS    DOCUMENT   PUBLICATION   NAME OF PATENTEE   Pages/Columns/Lines Where   Transtrante   Relevant Passages/Figures Appear   Transtrattact   Transtrante   Transtr	THIS Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments"  FOREIGN PATENT DOCUMENTS  POREIGN PATENT DOCUMENTS  Pages/Columns/Lines Where Relevant Passages/Figures Appear  Pages/Columns/Lines Where Relevant Passages/Figures Appear  Pages/Columns/Lines Where Relevant Passages/Figures Appear  Transfattact  Pages/Columns/Lines Where Relevant Passages/Figures Appear  Transfattact  The Pages/Columns/Lines Where Relevant Passages/Figures Appear  The Pages/Columns/Lines Where Transfattact  The Pages/Columns/Lines Where Relevant Passages/Figures Appear  The Pages/Columns/Lines Where Relevant Passages		11	6253972	July 2001	D	eVito, et al				
FOREIGN PATENT DOCUMENTS    DOCUMENT   PUBLICATION   NAME OF PATENTEE   Pages/Columns/Lines Where Relevant Passages/Figures Appear   Transfattee	FOREIGN PATENT DOCUMENT  DOCUMENT NUMBER  DOCUMENT NUMBER  PUBLICATION DATE  OR APPLICANT  NAME OF PATENTEE Pages/Columns/Lines Where Relevant Passages/Figures Appear  It woo1/30488A2 10/26/2000  Strehl, Schubel-Hopf  IN EP-0514770A1 Nov 1992  Harada  10 EP-0313519A1  Apr 1989  Germany  DOTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  1Q "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments"  Volume 39, Number 4; April 1968; pp 486-493		1J	6234358	May 2001	R	omine, et al				
DOCUMENT NUMBER PUBLICATION DATE OR APPLICANT Relevant Passages/Figures Appear Transtrattact of the Number of Patentee Or APPLICANT Relevant Passages/Figures Appear of Scientific Instruments'  1	DOCUMENT NUMBER PUBLICATION DATE NAME OF PATENTEE Pages/Columns/Lines Where Transf attact of the Number Number Publication Name of Patentee Pages/Columns/Lines Where Relevant Passages/Figures Appear attact attact of the Number	1	1K	6202894	Mar 2001	St	truminski, et al				
1M WO01/30488A3 10/26/2003 Strehl, Schubel-Hopf  1N EP-0514770A1 Nov 1992 Harada  10 EP-0313519A1 Apr 1989 Germany  DOTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  1Q "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	1M WO01/30488A3 10/26/2003 Strehl, Schubel-Hopf  1N EP-0514770A1 Nov 1992 Harada  10 EP-0313519A1 Apr 1989 Germany  1P  OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  1Q "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	À	·····		1	,					Transl
1N EP-0514770A1 Nov 1992 Harada 10 EP-0313519A1 Apr 1989 Germany  OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  1Q "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	1N EP-0514770A1 Nov 1992 Harada 10 EP-0313519A1 Apr 1989 Germany  1P  OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  1Q "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	(his	1L	WO01/30488A2	10/26/2000	Streh	I, Schubel-Hopf				
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  1Q "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  10 "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	1	1M	WO01/30488A3	10/26/2003	Streh	il, Schubel-Hopf				1
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  1Q "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  1Q "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493		1N	EP-0514770A1	Nov 1992	Hara	da				
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  1Q "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)  1Q "High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	1	10	EP-0313519A1	Apr 1989	Germ	iany				
"High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	"High Resolution Mixer for the Study of the Kinetics of Rapid Reactions in Solution' from "The Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493		1P								
Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	Review of Scientific Instruments' Volume 39, Number 4; April 1968; pp 493-498  1R 'High Speed Optical Stopped-Flow Apparatus' from "The Review of Scientific Instruments" Volume 39, Number 4; April 1968; pp 486-493	7		OTHER REFE	RENCES (includ	ing A	uthor, Title, Date, P	ertin	ent Pages, etc.)		•
Volume 39, Number 4; April 1968; pp 486-493	Volume 39, Number 4; April 1968; pp 486-493		10	"High Resolution Review of Scient	on Mixer for the S intific Instruments	itudy o ' Volu	of the Kinetics of Rapid me 39, Number 4; Ap	d Read	ctions in Solution' 68; pp 493-498	from "The	
18	18	A	1R	'High Speed O Volume 39, N	ptical Stopped-Flo umber 4; April 19	w App 68; pp	paratus' from "The Re 9 486-493	view	of Scientific Instru	iments"	
			18								
									_		

Sheet 2 of 3

F	ORM	PTO-1449			ATTY, DOCKET NO.	1.	APPLICATION NO.	CONFIRMATION
					10004251-3			
		F PATENTS AND P CANT'S INFORMAT	UBLIÇATIONS FOR ION DISCLOSURE		APPLICANT			
			EMENT		Timothy D. Strec	cker	anaun.	
	(	Use several sheets	if necessary)		Herewith		GROUP	
		DESIGNATION		ATEN	T DOCUMENTS			
AMINE	R	DOCUMENT NUMBER	PUBLICATION DATE		NAME	F	Pages, Columns Relevant Passages	s, Lines Where or Figures Appear
For	2A	3932136	Jan 19, 1976	Sti	ckney			
	2B	3390814	Jul 1968	Cre	eighton, Jr. et al			
	2C	6386396	May 2002	Str	ecker			,
	2D	5265773	Nov 1993	Ha	rada			<del></del> -
	2E	5080264	Jan 1992	Lin	ıper			
$\neg \vdash$	2F	5439147	Aug1995	Bit	schnau			
	2G	5655692	Aug 1997	Na	vin			
	2H	5862957	Jan 1999	Nu	ttall			
	21	3901409	Aug 1975	Bra	dley, et al			
	2J	3184112	May 1965	Los	eser			
1	2K	3165785	Jan 1965	Hel	hl			
	2L							atta
	2M							
	2N							
	20						,	
	2P							
		OTHER REF	ERENCES (includir	ng Au	thor, Title, Date, R	Rertine	nt Pages, etc.)	
	20							
	ŀ	\						
	2F	2		X				
		÷						
	28							
		1/1/	<b>△</b>					
EXAM	INER	////	7/ \		DATE CONSIDER	RED .	.11	
	/		/_/			- 17	1/1/04	

## PATENT APPLICATION

Sheet 3 of 3

F					ATTY, DOCKET NO.		APPLICATION NO. CONFIRMA	TION NO
	ORM	PTO-1449			10004251-3			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			UBLICATIONS FOR		APPLICANT -		I	<del></del>
A	PPLIC	CANT'S INFORMAT STATI	ION DISCLOSURE EMENT		Timothy D. Streck	er		
	,	The covern chaste	if management				GROUP	
		Use several sheets	ii necessary)		Herewith			
EFERE	NCE	EDESIGNATION	U.S. PA	ATEN	T DOCUMENTS			
AMINER		DOCUMENT NUMBER	PUBLICATION DATE		NAME		Pages, Columns, Lines Wher Relevant Passages or Figures Ap	e pear
(F)	3A	6070764	Jun 2000	Cli	ne, et al			
7	3B	4407431	Oct 1983	Hu	tter			
1	3C	5971227	Oct 1999	W	nite, et al			<del></del>
	3D							
	3E			/		_		
	3F	·				$\leftarrow$	<del></del>	
	3G 3H			+-		$\rightarrow$		
	31			+			<u> </u>	
-	31			+-				<del></del>
	3K			+		-	<del></del>	<del></del>
_	L	<u></u>	<u> </u>					<del></del>
		DOCUMENT NUMBER	PUBLICATION DATE	N	AME OF PATENTEE OR APPLICANT	Re	Pages/Columns/Lines Where levant Passages/Figures Appear	Check if Translatio attached
	3L	NUMBER		N		Re	Pages/Columns/Lines Where levant Passages/Figures Appear	Translatio
	3М	NUMBER		N		Re	Pages/Columns/Lines Where levant Passages/Figures Appear	Translatio
	3M 3N	NUMBER		N		Re	Pages/Columns/Lines Where levant Passages/Figures Appear	Translatio
	3M 3N 3O	NUMBER		N		Re	Pages/Columns/Lines Where levant Passages/Figures Appear	Translatio
	3M 3N	NUMBER		N		Re	Pages/Columns/Lines Where levant Passages/Figures Appear	Translatio
	3M 3N 3O	NUMBER	DATE				levant Passages/Figures Appear	Translatio
	3M 3N 3O 3P	OTHER REF	DATE		OR APPLICANT		levant Passages/Figures Appear	Translatio
	3M 3N 3O	OTHER REF	DATE		OR APPLICANT		levant Passages/Figures Appear	Translatio
	3M 3N 3O 3P	OTHER REF	DATE		OR APPLICANT		levant Passages/Figures Appear	Translatio
	3M 3N 3O 3P	OTHER REF	DATE		OR APPLICANT		levant Passages/Figures Appear	Translatio
	3M 3N 3O 3P	OTHER REF	DATE		OR APPLICANT		levant Passages/Figures Appear	Translatio
	3M 3N 3O 3P	OTHER REF	DATE		OR APPLICANT		levant Passages/Figures Appear	Translatio
	3M 3N 3O 3P	OTHER REF	DATE		OR APPLICANT		levant Passages/Figures Appear	Translatio
	3M 3N 3O 3P	OTHER REF	DATE		OR APPLICANT		levant Passages/Figures Appear	Translatio
	3M 3N 3O 3P	OTHER REF	DATE		OR APPLICANT		levant Passages/Figures Appear	Translatio
	3M 3N 3O 3P	OTHER REF	DATE		OR APPLICANT		levant Passages/Figures Appear	Translatio
	3M 3N 3O 3P	OTHER REF	DATE		thor, Title, Date, Pe	ertin	levant Passages/Figures Appear	Translatio
EXAMI	3M 3N 3O 3P	OTHER REF	DATE		OR APPLICANT	ertin	levant Passages/Figures Appear	Translatio